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# Official Journal of the Plant Variety Protection Office

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## PREFACE

The Plant Variety Protection Act (7 U.S.C. 2321 et seq.) authorizes the Secretary of Agriculture to publish an Official Journal and to provide the public with pertinent information relating to the operations of the Plant Variety Protection Office.

The statute also authorizes the Secretary to disseminate technological and other information available to the Office that would encourage innovation and promote progress in plant breeding.

The Official Journal, which is published quarterly, includes instructions issued by the Office and related information. It will be sent free to anyone on request. Send requests to:

Plant Variety Protection Office  
Livestock, Poultry, Grain & Seed Division  
Agricultural Marketing Service, USDA  
Room 205, National Agricultural Library  
Beltsville, Maryland 20705

This issue covers the period from October 1, 1977, through December 31, 1977.

# APPLICATIONS RECEIVED

APPL. NO.	DATE	NAME OF APPLICANT	NAME OF KIND	NAME OF VARIETY	AC. OF GEN.
** 7700108	770913	HARPOOL SEEDS INC.	WHEAT	DAWELICK	3
** 7700109	770913	HARPOOL SEEDS INC.	WHEAT	TEXAS	3
7700110	770916	INTERNATIONAL SEEDS, INC.	RYEGRASS	REGAL	
7700111	770923	ASCROW SEED CO.	SOYBEAN	A5314	
7700112	770923	CURRAN L. GARRETT	ST. AUGUSTINE GRASS	141 ST. AUGUSTINE SEED	
** 7800001	771006	LOFTS PEDIGREED SEED, INC.	RYEGRASS	ICRACUM 11	2
** 7800002	771012	DOUGLASS W. KING SEED CO.	WHEAT	DK-225	3
** 7800003	771012	DOUGLASS W. KING CO.	WHEAT	DK-335	3
** 7800004	771107	DOUGLASS W. KING CO.	WHEAT	LK-495	3
7800005	771107	W. ATLEE BURPEE CO.	ZINNIA	ROSE STABLET	
** 7800006	771108	PERMISSION TO PUBLISH NOT RECEIVED	WHEAT	4578	2
7800007	771121	PERMISSION TO PUBLISH NOT RECEIVED	WHEAT	578	1
** 7800008	771205	COKE'S PEDIGREED SEED CO.	TOBACCO	COKE 48	3
7800009	771212	W. ATLEE BURPEE CO.	LETTUCE	ROYAL CAK LEAF	
** 7800010	771216	NORTHROP, KING & CO.	WHEAT	SCALAR	
7800011	771227	GREGG SEED FARMS, INC.	COTTON	GREGG 35XL	
7800012	771227	GREGG SEED FARMS, INC.	COTTON	GREGG 45H	
** 7800013	771227	NORTH AMERICAN PLANT BREEDERS	WHEAT	ROCKY	3
7800014	771229	PERMISSION TO PUBLISH NOT RECEIVED	LETTUCE	WINTAR SUPREME	
** 7800015	771229	K.G. NIXON AND L. & M. KRIETEMEYER	SOYBEAN	K-77	3
** 7800016	771229	WISCONSIN AGRIC. EXPT. STA.	WHEAT	ARGON	3

\*\*TO BE SOLD BY VARIETY NAME AS A CLASS OF CERTIFIED SEED.

CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM

<u>Certificate No.</u>	<u>Issue Date</u>	<u>Owner</u>	<u>Name of Kind</u>	<u>Name of Variety</u>
7700096	Oct. 12, 1977	Asgrow Seed Company	soybean	A3127
'A3127' most closely resembles 'Woodworth'; however, 'A3127' has purple flowers; whereas, 'Woodworth' has white flowers.				
7300072	Oct. 20, 1977	Agricultural Experiment Station Auburn University	muskmelon	Chilton
'Chilton' is most similar to 'Gulfstream'; however, the leaf surface of 'Chilton' is scabrous; whereas, the leaf surface of 'Gulfstream' is pubescent.				
**7500007	Oct. 20, 1977	Coker's Pedigreed Seed Company	oat	Coker 227 (3)
'Coker 227' most closely resembles 'Coker 234' but differs in mature lemma color. Referenced to the Royal Horticultural Society Colour Chart, 'Coker 227' corresponds to 165C; whereas, 'Coker 234' is 164B.				
**76TQ011	Oct. 20, 1977	North Carolina Agricultural Experiment Station	peanut	NC 6 (3)
'NC 6' most closely resembles 'Florigiant'; however, 'NC 6' is resistant to southern corn rootworm and potato leafhopper; whereas, 'Florigiant' is susceptible.				
7700094	Oct. 20, 1977	Asgrow Seed Company	bean	Strike
'Strike' is most similar to 'Sprite'; however, 'Strike' has smaller seeds (23.5 g/100 vs. 27.7 g/100), smaller sieve size (average 4 vs. average 5), and plants that are 4 cm tall and 4 cm wider than 'Sprite.'				

\*\* To be sold by variety name only as a class of certified seed.  
( ) No. of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM

<u>Certificate No.</u>	<u>Issue Date</u>	<u>Owner</u>	<u>Name of Kind</u>	<u>Name of Variety</u>
7700008	Oct. 26, 1977	Coker's Pedigreed Seed Company	oat	Coker 234
<p>'Coker 234' most closely resembles 'Florida 501,' but 'Florida 501' is susceptible to race 325 of crown rust; whereas, 'Coker 234' has seedling resistance to crown rust race 325. Additionally, the lemmas of 'Florida 501' are yellow (162A, Royal Horticultural Society Colour Chart) at maturity and the awns numerous and twisted; whereas, the lemmas of 'Coker 234' are red (164B RHS Colour Chart) at maturity and the awns are few in number and weak and nontwisted.</p>				
7700066	Nov. 3, 1977	Asgrow Seed Company	bean	Gabriella
<p>'Gabriella' is most similar to 'Bonanza Wax.' A comparative characteristic which makes 'Gabriella' a different variety is the following: 'Gabriella' is resistant to the alpha mutant strain of Anthracnose, which also gives resistance to all other strains of Anthracnose, except the Ebnet strain, while 'Bonanza Wax' is susceptible to Anthracnose.</p>				
7700081	Nov. 3, 1977	V. R. Seeds, Inc.	soybean	Ike
<p>'Ike' most nearly resembles 'Williams' when planted in 18 cm (7") rows; however, 'Ike' has semi-determinate plant habit and seeds with dark black hilum color; whereas, 'Williams' has indeterminate plant habit and seeds with light black hilum color.</p>				
7600056	Dec. 7, 1977	Americana Seeds, Inc.	soybean	CX 290
<p>'CX 290' most closely resembles 'Wayne'; however, 'Wayne' has a black hilum; whereas, 'CX 290' has a brown hilum.</p>				
7600058	Dec. 7, 1977	Northrup, King and Company	bean	EXP. 163

'EXP. 163' most closely resembles 'Cascade' except 'EXP. 163' is 1 to 2 days later in maturity than 'Cascade,' 'EXP. 163' is an average of 7.62-10.16 cm taller than 'Cascade,' and 'EXP. 163' leaf color is yellow-green compared to dark green for 'Cascade.'

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CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM

<u>Certificate No.</u>	<u>Issue Date</u>	<u>Owner</u>	<u>Name of Kind</u>	<u>Name of Variety</u>
7600060	Dec. 7, 1977	Northrup, King and Company	bean	Green Genes
'Green Genes' most closely resembles 'Greencrop' except 'Green Genes' seed weighs 29 gms/100 seeds, while 'Greencrop' seeds weigh 47 gms/100 seeds. 'Green Genes' plant height is 36 cm; whereas, 'Greencrop' plant height is 30 cm.				
7600070	Dec. 7, 1977	Northrup, King and Company	orchardgrass	Orbit
'Orbit' most closely resembles 'Sterling', but 'Orbit' is 6 days later in maturity and has short seed (4.5 mm) and narrow (6.2 mm), erect leaves; whereas, 'Sterling' has longer seed (6.06 mm) and wider (7.2 mm), laxer leaves.				
7700001	Dec. 7, 1977	Reza Kavianian	muskmelon	Kavamelon
'Kavamelon' most closely resembles 'Persian', 'Santa Clause', and 'Honey Dew'; however, compared to the latter varieties, 'Kavamelon' fruits are heavier (4536-5443 g vs. 2722-4082 g) and longer (30-36 cm vs. 15-30 cm).				
7700047	Dec. 7, 1977	Crites-Moscow Growers, Inc.	pea	Rebel
'Rebel' most closely resembles 'Perfection 3019'; however, 'Rebel' matures 1 day later and has a more compact vine with internodes of 3.6 cm compared with 4.3 cm for 'Perfection 3019.'				
7700051	Dec. 7, 1977	Iowa Agricultural Experiment Station	soybean	Marion
'Marion' most closely resembles 'Prize'; however, 'Marion' has a shiny seedcoat, a dark buff hilum, and is resistant to bacterial pustule; whereas, 'Prize' has a dull seedcoat, a yellow hilum, and is susceptible to bacterial pustule.				

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CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM

<u>Certificate No.</u>	<u>Issue Date</u>	<u>Owner</u>	<u>Name of Kind</u>	<u>Name of Variety</u>
7700068	Dec. 7, 1977	Asgrow Seed Company	bean	Bush Blue Lake Rio
'Bush Blue Lake Rio' is most similar to 'Bush Blue Lake 274'; however, 'Bush Blue Lake Rio' is 4 to 5 days earlier than 'Bush Blue Lake 274'. 'Bush Blue Lake Rio' produces smaller sieve pods and smaller plants than 'Bush Blue Lake 274'.				
7600001	Dec. 30, 1977	Asgrow Seed Company	eggplant	Gator
'Gator' most closely resembles 'Florida Market 10'; however, 'Gator' differs from 'Florida Market 10' in that 'Gator' produces longer (19.2 vs 16.8 cm) and more slender (7.6 vs 8.8 cm diameter) fruits with less tendency toward bulbing.				
7600061	Dec. 30, 1977	Northrup, King and Company	bean	EXP. 116-0
'EXP. 116-0' most closely resembles 'Sprite', except 'EXP. 116-0' is 2 to 3 days earlier in maturity and 'EXP. 116-0' is an average of 5.08-7.62 cm taller. 'EXP. 116-0' is more erect than 'Sprite'.				
7700011	Dec. 30, 1977	Ardie G. Gustafson, Seedsman	pea	Gypsy
'Gypsy' most closely resembles 'Valley Perfection'; however, 'Gypsy' is 20 cm shorter in plant height than 'Valley Perfection' and is resistant to powdery mildew while 'Valley Perfection' is susceptible.				
7700097	Dec. 30, 1977	Asgrow Seed Company	bean	Goldrush
'Goldrush' is most similar to 'Midas'; however, 'Goldrush' has pods approximately 2 cm longer than pods of 'Midas' and matures approximately 2 days earlier than 'Midas'.				
7700100	Dec. 30, 1977	Asgrow Seed Company	soybean	A3860
'A3860' most closely resembles 'Williams'; however, 'A3860' has a dark green leaf closest to 137A on the Royal Horticultural Society Colour Chart; whereas, 'Williams' has a medium green leaf closest to 139A.				

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CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM

<u>Certificate No.</u>	<u>Issue Date</u>	<u>Owner</u>	<u>Name of Kind</u>	<u>Name of Variety</u>
7700101	Dec. 30, 1977	Asgrow Seed Company	soybean	A4268
'A4268' most closely resembles 'Cutler 71'; however, 'A4268' has white flowers; whereas, 'Cutler 71' has purple flowers.				
7700111	Dec. 30, 1977	Asgrow Seed Company	soybean	A5312
'A5312' most closely resembles 'Essex,' except 'A5312' has white flowers; whereas, 'Essex' has purple flowers.				

AMENDED CERTIFICATES

**7500060	May 14, 1974	ACCO Seed	cotton	Paymaster 303 (3)
**7300091	Oct. 18, 1973	Coker's Pedigreed Seed Company	soybean	Coker 136 (3)
**76TQ007	March 18, 1977	Growers Seed Association	cotton	GSA 75 (3)
7700058	July 26, 1977	Keystone Seed Company, Inc.	bean	Conquest
7700071	July 26, 1977	Asgrow Seed Company	pea	Reva

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## General Information

### Commissioner Stanley F. Rollin Retires

Stanley F. Rollin, Commissioner of the U.S. Department of Agriculture's (USDA) Plant Variety Protection Office, and known worldwide as a seed variety authority, retired December 31, 1977, after 41 years of Federal service.

Rollin was named Commissioner in 1971 following enactment of the Plant Variety Protection Act which he helped design. The Act legally protects developers of new varieties of plants that reproduce through seed. As Commissioner, he developed a computerized system to search for novelty plants. His system became the model for other countries to follow in granting developers exclusive rights to market new varieties.

Rollin, who has spoken and written extensively about seed laws and Plant Variety Protection, served 5 years as President of the International Seed Testing Association. He is also Past President and Honorary Member of the American Association of Official Seed Certifying Agencies.

Rollin was U.S. delegate to four International Seed Testing Association meetings between 1965 and 1974. He was U.S. delegate to the International Union for the Protection of New Varieties of Plants (UPOV) in Geneva, Switzerland, between 1971 and 1975. He also served as a World Bank advisor to Brazil on Plant Variety Protection laws in 1975.

Rollin joined USDA in 1936 and spent the first 4 years working for the Agricultural Marketing Service's (AMS) Fruit and Vegetable and Cotton Divisions. In 1940 he transferred to the AMS Seed Division as a seed technologist but was shortly made a marketing specialist in charge of Federal Seed Act enforcement in the northeast. After serving 2 years in the U.S. Navy during World War II, he was placed in charge of processing all complaints of interstate violations under the Federal Seed Act.

In 1959, Rollin became Head of the Seed Branch's Enforcement Section, a post he held until promoted to Branch Chief the following year. With the passage of the Plant Variety Protection Act in December 1970, Rollin was appointed the first Commissioner, the position he held until retirement.

USDA has cited Rollin on three occasions for his outstanding contribution to Agriculture. In 1977 he was awarded a USDA Certificate of Merit citing him for "meritorious service performance affecting service to Agriculture in planning and implementing a nationwide plant variety protection program which encourages the development of new varieties of food, feed and fiber plants."

A native of Minto, North Dakota, Rollin graduated from Minto High School in 1932, where he was senior class valedictorian. He holds a bachelor's degree from North Dakota State Teachers College and was President of his 1934 Sophomore Class. He completed graduate study in botany at George Washington University.

Rollin has been a leader in church and civic affairs, having taken an active role in Youth Council, Boys Club, and Boy Scout work. From 1947 to 1958, he was a delegate to the National Council of Catholic Men.

He and his wife, the former Lucille Granger of Salem, West Virginia, will continue to live in Laurel, Maryland, where he plans to become a seed consultant. The Rollins have a son, two daughters, and three grandchildren.

Mr. Bernard M. Leese, Chief Examiner of the Plant Variety Protection Office, is serving as Acting Commissioner since Mr. Rollin's retirement.

#### New Division Name

You will note that the former "Grain & Seed Division" is now the "Livestock, Poultry, Grain & Seed Division." This was a result of a reorganization of the Agricultural Marketing Service (AMS) of the U.S. Department of Agriculture (USDA). The new Division is composed of the Plant Variety Protection Office, Seed Regulatory Branch, Seed Standardization Branch (formerly NSTSL), Poultry Market News Branch, Grain Market News Branch, Livestock Market News Branch, and Livestock Standardization Branch. John C. Pierce is the Director of the new Division.

#### PVPO Progress Report as of December 31, 1977

Total applications received: 802  
(501 agricultural)  
(223 vegetable)  
( 78 flower)

Applications received FY 78 (Oct. 1-Dec. 31): 16

Total applications withdrawn, ineligible, or abandoned: 183

Total certificates issued: 484  
(263 agricultural)  
(174 vegetable)  
( 47 flower)

Certificates issued FY 78: 34 (Oct. 1-Dec. 31)

Applications pending:	143
Certificate stage:	26
Searching stage:	44
Time extended:	31
Holding for action:	42
	<u>143</u>

United States Department of Agriculture  
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